

WHAT IS CLAIMED IS:

- 505 A37 1. An LED drive circuit formed comprising:
- a driver having a constant current circuit to drive a plurality of light emitting diodes (LEDs); and
  - a plurality of switch connected to the each LED periodically turning on and off at least one of the LEDs at certain time intervals.
- 505 A37 2. An LED drive circuit according to claim 1, wherein the frequency of turning on and off the LED in a cycle is 5 Hz or higher.
- 505 A37 3. An LED drive circuit according to claim 1, wherein the value of the constant current by which the LED is driven is 5 to 30 mA.
- 505 A37 4. An LED drive circuit according to claim 1, wherein the LED turning on/off cycle or time can be controlled by means of an external signal.
- 505 A37 5. An LED drive circuit according to claim 1, wherein the LED to be caused to blink can be selected by means of an external signal.

505 A37 6. An LED drive circuit according to claim 1, wherein the value of the constant current by which the LED is driven can be selected by means of an external signal.

505 A37 7. An LED drive circuit according to claim 1, wherein the value of the constant current by which the LED is driven can be adjusted according to temperature.

505 A37 8. An LED drive circuit comprising:

a driver circuit having a boosting circuit and a constant current circuit to drive an LED; and

a control circuit to increase the voltage boosted by the boosting circuit when the current for driving the LED is smaller than the value of the constant current, and for reducing the voltage boosted by the boosting circuit when the current for driving the LED has the value of the constant current.

505 A37 9. An LED drive circuit formed comprising:

means for driving each of at least two LEDs by a constant current and by using a boosting circuit and a voltage boosted by the boosting circuit; and

means for increasing the voltage boosted by the boosting circuit when the current for driving the LED is smaller than

the value of the constant current, for reducing the voltage boosted by the boosting circuit when the current for driving the LED has the value of the constant current, and for periodically turning on and off at least one of the LEDs at certain time intervals.

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